

ABSTRACT

CORRECTION METHOD AND CORRECTION LOOP FOR A COMPLEX DIGITAL SIGNAL

The invention relates to the correction of the delay between the phase and the envelope of a digital signal. In particular, it relates to the application of this correction in digital broadcasting transmitters.

The present invention makes it possible to offer an alternative solution in which the use of the initial signal is not necessary. No temporal comparison with the initial signal is necessary.

A subject of the invention is a method of correcting at least one parameter to be corrected pc of the envelope of a digital signal comprising the following steps:

- the decomposition of the digital signal into an envelope signal and a phase signal,
- the determination of the corrector to be applied to the parameter of the envelope by searching for the minimum out-of-band noise powers of the signal.

[Figure 4]